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de Brouwer, A.J.

2016

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citation for published version (APA)

de Brouwer, A. J. (2016). *The influence of illusions on visuomotor processing*. [PhD-Thesis - Research and graduation internal, Vrije Universiteit Amsterdam].

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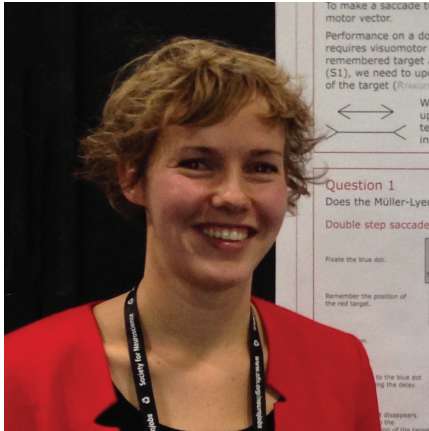
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bout the author



Anouk Johanna de Brouwer (1987) became interested in scientific research during her study Human Movement Sciences from 2005 to 2011 at the University of Groningen. During the Bachelor's programme, she got involved in competitive rowing, which raised her enthusiasm about the science behind sports performance. At the same time, she became fascinated by how the brain works through classes in neuropsychology. After receiving her Bachelor's Degree in 2008,

Anouk started the Master's programme in Human Movement Sciences with a specialization in 'Sports, Learning and Performance'. She did her master research project on 'The effects of antiphase crew rowing on rowing performance' supervised by Harjo de Poel (University of Groningen) and Mathijs Hofmijster (Vrije Universiteit Amsterdam). Anouk obtained her Master's Degree in February 2011.

In August 2011, she started a PhD project entitled 'Illusions in the brain: a new approach to visual information processing', supervised by Jeroen Smeets (Vrije Universiteit Amsterdam) and Pieter Medendorp (Radboud University Nijmegen). During this collaborative project, she performed behavioural research in Amsterdam and neuroimaging research in Nijmegen, which resulted in this thesis.

In October 2015, Anouk moved to Canada to take up a postdoctoral position in the research group of Randy Flanagan at Queen's University in Kingston, Ontario. She is currently investigating the planning and execution of reaching movements.

List of publications

Articles in international journals

- de Brouwer AJ**, Brenner E, Smeets JBJ (2015). Keeping a target in memory does not increase the effect of the Müller-Lyer illusion on saccades. *Experimental Brain Research* Dec 21 [Advance online publication].
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- de Poel HJ, **de Brouwer AJ**, Cuijpers LS (2016). Crew rowing: An archetype of interpersonal coordination dynamics. In: Passos P, Davids K, Chow JY [Eds.]. *Interpersonal Coordination and Performance in Social Systems*. New York, NY: Taylor & Francis Group.

Conference abstracts

- de Brouwer AJ**, Smeets JBJ, Gutteling T, Toni I, Medendorp WP (2015). Illusions affect visuomotor updating in posterior parietal cortex. Neural Control of Movement meeting 2015 (Charleston SC, USA).
- de Brouwer AJ**, Smeets JBJ, Gutteling T, Toni I, Medendorp WP (2014). Neural mechanisms of visuomotor updating within an illusory context. Society for Neuroscience meeting 2014 (Washington D.C., USA).
- de Brouwer AJ**, Smeets JBJ, Gutteling T, Toni I, Medendorp WP (2014). BOLD activity in human parietal cortex during visuomotor updating within an illusory context. Neural Control of Movement meeting 2014 (Amsterdam, The Netherlands).

- de Brouwer AJ**, Brenner E, Medendorp WP, Smeets JBJ (2013). The effects of the Müller-Lyer illusion on saccades and perceptual judgments decrease with longer presentation time. Dutch Psychonomic Society meeting 2013 (Egmond aan Zee, The Netherlands).
- de Brouwer AJ**, Medendorp WP, Smeets JBJ (2013). Visuomotor updating within an illusory context: behavioural mechanisms. Society for Neuroscience meeting 2013 (San Diego CA, USA).
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Grants

- Neural Control of Movement Scholarship:** \$1000 to attend and present at the Neural Control of Movement meeting 2015 (Charleston SC, USA).
- Boehringer Ingelheim Fonds Travel Grant:** €2230 to participate in the Summer School in Computational Sensory-Motor Neuroscience 2014 (Minneapolis MN, USA).